

MEDICAL REPORT

OF THE

ROYAL LUNATIC ASYLUM

OF ABERDEEN,

FOR THE YEAR ENDING 31<sup>ST</sup> DECEMBER,

1871.

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Aberdeen :

PRINTED BY LESLIE & RUSSELL,

CROWN COURT, UNION STREET.

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1872.



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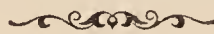
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ALEX. FORSYTH, M.B.,			
EDWARD SAVAGE,	.	.	<i>House Steward.</i>
MISS ELRICK,	.	.	<i>Matron.</i>
MRS BUTTERS	.	.	<i>Ladies Companion at Elmhill House.</i>
MISS E. JOHNSTON,	.	.	<i>Housekeeper at Elmhill House.</i>

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DR. MACROBIN,	.	.	<i>Consulting Physician.</i>
REV. ALEX. FERGUSON,	.	.	<i>Chaplain.</i>
WILLIAM CARNIE,	.	.	<i>Clerk and Treasurer.</i>

## MEDICAL REPORT.

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THE number of patients resident in the Royal Lunatic Asylum of Aberdeen, at the beginning of the year 1871, was four hundred and thirty-four (434).

The number of admissions during the year, was one hundred and sixty (160).

The number of removals, inclusive of deaths, was one hundred and sixty-five (165).

The gross number of patients for the year, was five hundred and ninety-four (594), and the daily average, four hundred and thirty-eight (438); so that, although the total number of inmates was not greater than that of the year before, the average number was considerably greater.

The number of females continued to be considerably in excess of males. At the close of the year, it was as 225 to 202.

The number of private patients at the date of reporting, amounts to 148, being a third of the whole: thirty-five of these being resident in Elmhill House.

The Medical results of the year 1871, have been very favourable; one hundred and forty-three (143) have been removed, and only twenty-two (22) have died. The recoveries have formed the greater bulk of



the removals. They have amounted to eighty-four (84), or to  $52\frac{1}{2}$  per cent. on the admissions, which is both above the average of this Asylum, viz., 46 per cent. and the Average of the Scottish Asylums, which, according to the last published statement of the Board of Commissioners, is 44 per cent.

Besides the large number thus discharged, not less than fifty-nine (59) others have been removed, after hope of farther important medical benefit in their cases had ceased, many of them returning to the care of relatives, and also not a few being transferred for economy to parochial guardianship. The total removals, inclusive of deaths, have more than counterbalanced the admissions, so that the Institution, in its working, has really more fulfilled its higher function of *Maison de Santé*, than its less creditable service of a place of reception and detention.

The Mortality, during 1871, was remarkably low, the number of deaths being but twenty-two (22) in all, that is to say, 5 per cent. on the mean number resident; the average mortality of the Aberdeen Asylum, being 7 per cent.; and the average of the Scottish Asylum, according to the Lunacy Commissioners' Report for 1871, being about  $8\frac{3}{4}$  per cent. The causes of death were of a kind, speaking favourably for the sanitary condition of the house, a large proportion, nine of them, being due to affections of the nervous system, and only four to diseases of the chest, four to diseases of the abdomen, two to affections of a febrile nature, and three to debility and exhaustion.

No accident of importance, nor any circumstance of unusual character distinguishes the year's history, and, therefore, but few events fall to be specified as of interest in the ordinary routine. Two females effected



escape, and two men ; but were speedily discovered and brought back. One patient managed to get lost without any object or intention, at a pic-nic. A female patient, during a state of excitement, accidentally fractured her arm. A male attendant was discharged for rough usage of one of his charge ; one for intemperance ; and two for breaches of regulations.

During the year, cricket was very much practised, and various matches were played with members of the Aberdeen and other Clubs. Assemblies, dances, concerts, and dramatic entertainments, were of frequent occurrence. Many volunteers gave assistance on these occasions, for which the superintendent begs to return his thanks. Amongst these falls specially to be mentioned, Mr. J. S. M'Kay, who, about the beginning of the year, of his own accord, got up, and conducted a very excellent Instrumental Concert, being the second time he had put himself to this unrewarded trouble. Similar obligations ought long ago to have been recorded also to the West Church Choir, who have repeatedly sung with much acceptance in both houses, but particularly at Elmhill.

The Inspectors of Lunacy paid visits to the Asylum on the 11th and 12th April, and 26th August, making lengthened examination of the house, and its inmates, and reporting the result of their inquiries. They remark favourably on the low state of mortality, the liberal and judicious dietary, the constant and personal superintendence of the Establishment, the creditable quality of clothing and bedding provided for the parochial cases, the large proportion of recoveries, and the good sanitary condition of the house. They remark

unfavourably on the plain character of the furnishings the crowded condition of the day-rooms, the supposed inadequacy of the number of attendants, the roughness of demeanour, which would seem unpleasantly to distinguish the Lunacy of the District, or, at least, as it is seen in this house, the over-reduced charge made for District patients, and the want of more suitable accommodation for stores.

Such, as now briefly stated, has been the history of the Asylum during 1871. The usual statistical details will be found appended, and also a pathological supplement drawn up by Mr. M'Gregor, one of the medical assistants, who, in this department, has shown an unusual amount of scientific knowledge and zeal,

ROBERT JAMIESON, M.D.

# TABLES.

## TABLE I.

GENERAL RESULTS OF THE YEAR.

	Males.	Females.	Total.
Patients in Asylum, 1st January, 1871.	200	234	434
Admitted during the year, . . . .	76	84	160
Under care and treatment during the year,	276	318	594
Removed during the year :—			
	Males.	Females.	Total.
Recovered, . . . .	37	47	84
Relieved, . . . .	17	22	39
Unimproved, . . . .	10	10	20
Dead, . . . .	8	14	22
	72	93	165
Remaining in Asylum, 31st Dec., 1871,	202	225	427

## TABLE II.

RELATIVE NUMBER OF PRIVATE AND PAROCHIAL CASES.

	Males.	Females.	Total.	Males.	Females.	Total.
Private Cases in Asylum, { 1st January, 1871, . . . }	79	73	152			
Do. admitted during the year,	23	28	51			
Total of Private Cases treat- ed during the year, . . . }				102	101	203
Parochial Cases in Asylum, { 1st January, 1871, . . . }	121	161	282			
Do. admitted during the year,	53	56	109			
Total of Parochial Cases { during the year, . . . }				174	217	391
Total number of Cases,				276	318	594
Private Cases removed dur- ing the year, . . . . }	21	32	53			
Parochial do., . . . .	51	61	112			
Total number of Cases re- moved during the year, {				72	93	165
Private Cases remaining { 31st December, 1871, }	79	69	148			
Parochial do., . . . .	123	156	279			
Total number of Cases remaining,				202	225	427

TABLE III.

## AGE OF PATIENTS ADMITTED.

	Males.	Females.	Total.
From 10 to 20, . . . . .	4	7	11
„ 20 to 30, . . . . .	24	18	42
„ 30 to 40, . . . . .	19	20	39
„ 40 to 50, . . . . .	13	19	32
„ 50 to 60, . . . . .	7	13	20
„ 60 to 70, . . . . .	7	5	12
„ 70 to 80, . . . . .	2	2	4
	<hr/> 76	<hr/> 84	<hr/> 160

TABLE IV.

## CLASSIFICATION OF ADMISSIONS ACCORDING TO PLACE OF RESIDENCE.

	Males.	Females.	Total.
From Aberdeen and Suburbs, . . . . .	32	45	77
„ Aberdeenshire, . . . . .	36	30	66
„ Distant Localities, . . . . .	8	9	17
	<hr/> 76	<hr/> 84	<hr/> 160

TABLE V.

## SOCIAL CONDITION OF PATIENTS ADMITTED.

	Males.	Females.	Total.
Married, . . . . .	34	29	63
Single, . . . . .	39	46	85
Widowed, . . . . .	3	9	12
	<hr/> 76	<hr/> 84	<hr/> 160



TABLE VI.

OCCUPATION OR STATION IN LIFE OF PATIENTS ADMITTED.

## MALES.

Brushmaker, . . .	1	Ironmonger, . . .	1
Boilermaker, . . .	1	Labourers, . . .	10
Butchers, . . .	2	Merchants, . . .	3
Baker, . . .	1	Mechanic, . . .	1
Cattle dealers, . . .	2	Mason, . . .	1
Confectioner, . . .	1	Preacher, . . .	1
Coachmaker, . . .	1	Porter, . . .	1
Coach-trimmer, . . .	1	Ropemakers, . . .	2
Coach-painter, . . .	1	Sailors, . . .	2
Cab-driver, . . .	1	Shoemakers, . . .	3
Clergyman, . . .	1	Soldiers, . . .	2
Clerk, . . .	1	Sons of Farmers, . . .	2
Crofters, . . .	2	Shiprigger, . . .	1
Coffee Planters, . . .	2	Ship Masters, . . .	2
Farm Servants . . .	7	School Masters, . . .	2
Fishermen, . . .	5	Tailors, . . .	2
Gardener, . . .	1	No Occupation, . . .	6
Grocer, . . .	1		
Hosier, . . .	1	Total, . . .	76
Iron Moulder, . . .	1		

## FEMALES.

Bible-reader, . . .	1	Wife of Bookseller, . . .	1
Candlemaker, . . .	1	Wives of Farmers, . . .	2
Dressmakers, . . .	3	„ „ Labourers, . . .	3
French Polisher, . . .	1	Wife of Watchman, . . .	1
Hawker, . . .	1	„ „ Hawker, . . .	1
Millworker, . . .	1	„ „ Stone Polisher, . . .	1
Paperworker, . . .	1	„ „ Custom House Officer, . . .	1
Ragstorer, . . .	1	„ „ Farm Servant, . . .	1
Sempstresses, . . .	2	„ „ Yarn Winder, . . .	1
Servants, . . .	17	No Occupation, . . .	39
Shop Girls, . . .	2		
Widow of Blacksmith, . . .	1	Total, . . .	84
Wife of Baker, . . .	1		

TABLE VII.

COMPLICATION OF CASES ADMITTED WITH DISEASED IMPULSE.

			Males.	Females.	Total.
Suicidal Impulse, with Dementia,	.	.	1	0	1
„ „ Melancholia,	.	.	2	5	7
„ „ Mania,	.	.	2	0	2
			<hr/>	<hr/>	<hr/>
			5	5	10

TABLE VIII.

NATURE OF CAUSES ASSIGNED.

Causes Assignable, in . . . . .	about 53 per cent.
Hereditary Predisposition, in . . . . .	„ 23 „
Moral Cause, . . . . .	„ 4 „
Physical Exciting Cause, . . . . .	„ 25 „

TABLE IX.

FORM OF INSANITY IN CASES ADMITTED.

			Males.	Females.	Total.
Amentia, . . . . .	.	.	1	2	3
Dementia, . . . . .	.	.	16	8	24
Mania, . . . . .	.	.	37	51	88
Melancholia, . . . . .	.	.	10	16	26
Monomania, . . . . .	.	.	12	7	19
			<hr/>	<hr/>	<hr/>
			76	84	160

TABLE X.

## COMPLICATIONS OF CASES ADMITTED WITH NERVOUS DISEASES.

	Males.	Females.	Total.
Amaurosis, with Mania, . . . . .	0	1	1
Chorea, with Mania, . . . . .	0	1	1
Deafness, with Monomania, . . . . .	0	1	1
Epilepsy, with Mania, . . . . .	4	0	4
Epilepsy, with Dementia, . . . . .	2	0	2
Epilepsy, with Melancholia, . . . . .	1	0	1
Paralysis, with Dementia, . . . . .	1	0	1
	<hr/> 8	<hr/> 3	<hr/> 11

TABLE XI

## CAUSES ASSIGNED IN CASES ADMITTED.

	Males.	Females.	Total.
Age, . . . . .	1	5	6
Death of Friends, . . . . .	0	3	3
Devotional Excitement, . . . . .	0	1	1
Disease of Brain, . . . . .	8	0	8
Disappointment, . . . . .	1	2	3
Hereditary Predisposition, . . . . .	12	24	36
Injury to Head, . . . . .	1	0	1
Intemperance, . . . . .	14	2	16
Lactation, . . . . .	0	2	2
Parturition, . . . . .	0	6	6
Poverty, . . . . .	1	0	1
No cause assigned in, . . . . .	38	39	77
	<hr/> 76	<hr/> 84	<hr/> 160

TABLE XII.

CASES DISCHARGED RECOVERED.

No.	Sex.	Form of Mental Disease.	Cause of Disorder.	Residence.			
				Y.	M.	W.	D.
1	F.	Dementia ... ..	...	0	8	0	2
2	F.	Dementia ... ..	Hereditary ... ..	0	9	0	3
3	F.	Dementia ... ..	.. ... ..	2	0	3	1
4	F.	Dementia ... ..	Parturition ... ..	0	2	4	2
5	M.	Dementia ... ..	... ..	0	3	3	6
6	M.	Dementia ... ..	... ..	0	4	1	3
7	F.	Mania ... ..	Intemperance ... ..	0	3	1	0
8	F.	Mania ... ..	Hereditary ... ..	0	2	0	1
9	F.	Mania ... ..	... ..	0	7	2	3
10	F.	Mania ... ..	Hereditary ... ..	1	3	1	6
11	F.	Mania ... ..	Parturition ... ..	0	4	0	3
12	F.	Mania ... ..	Hereditary ... ..	0	5	4	0
13	F.	Mania ... ..	Intemperance ... ..	0	2	3	0
14	F.	Mania ... ..	Hereditary ... ..	0	7	0	5
15	F.	Mania ... ..	Hereditary ... ..	0	2	4	1
16	F.	Mania ... ..	Intemperance .. ..	0	1	0	0
17	F.	Mania ... ..	... ..	0	11	0	2
18	F.	Mania ... ..	Hereditary ... ..	0	9	2	4
19	F.	Mania ... ..	... ..	2	11	1	5
20	F.	Mania ... ..	... ..	0	8	2	0
21	F.	Mania ... ..	... ..	1	4	1	3
22	F.	Mania ... ..	Parturition ... ..	1	2	1	3
23	F.	Mania ... ..	... ..	1	4	1	3
24	F.	Mania ... ..	... ..	0	2	2	4
25	F.	Mania ... ..	... ..	1	4	2	0
26	F.	Mania ... ..	... ..	1	5	3	6
27	F.	Mania ... ..	... ..	0	5	0	3
28	F.	Mania ... ..	Hereditary ... ..	0	1	2	3
29	F.	Mania ... ..	... ..	1	1	2	4
30	F.	Mania ... ..	... ..	0	2	1	3
31	F.	Mania ... ..	... ..	0	3	1	4
32	F.	Mania ... ..	Hereditary ... ..	0	3	0	1
33	F.	Mania ... ..	Parturition ... ..	0	2	2	0
34	F.	Mania ... ..	... ..	0	1	2	5
35	F.	Mania ... ..	... ..	1	0	2	2
36	F.	Mania ... ..	Hereditary ... ..	1	0	0	3
37	M.	Mania ... ..	Hereditary .. ..	1	3	2	5
38	M.	Mania ... ..	Hereditary ... ..	0	7	3	0
39	M.	Mania ... ..	Hereditary ... ..	0	10	0	0
40	M.	Mania ... ..	... ..	0	3	0	0
41	M.	Mania ... ..	Hereditary ... ..	0	6	3	0
42	M.	Mania ... ..	Intemperance ... ..	0	3	3	1
43	M.	Mania ... ..	... ..	0	5	3	3
44	M.	Mania ... ..	Intemperance ... ..	0	1	0	2
45	M.	Mania ... ..	... ..	1	9	0	4
46	M.	Mania ... ..	Intemperance .. ..	0	5	0	4
47	M.	Mania ... ..	Intemperance ... ..	0	0	2	5



CASES DISCHARGED RECOVERED.

*Continued.*

No.	Sex.	Form of Mental Disease.	Cause of Disorder.	Residence.			
				Y.	M.	W.	D.
48	M.	Mania ... ..	Intemperance ... ..	0	4	1	0
49	M.	Mania ... ..	Intemperance ... ..	0	5	2	3
50	M.	Mania ... ..	Hereditary ... ..	0	1	3	5
51	M.	Mania ... ..	Intemperance ... ..	0	3	0	0
52	M.	Mania ... ..	... ..	1	11	4	1
53	M.	Mania ... ..	Intemperance ... ..	0	2	0	4
54	M.	Mania ... ..	Sorrow .. ...	0	1	4	2
55	M.	Mania ... ..	Hereditary ... ..	0	3	1	5
56	M.	Mania ... ..	Hereditary ... ..	0	4	4	2
57	M.	Mania ... ..	... ..	0	4	1	6
58	M.	Mania ... ..	Intemperance ... ..	0	3	0	2
59	M.	Mania ... ..	Intemperance ... ..	0	1	1	5
60	M.	Mania ... ..	Cerebral Disease ... ..	0	0	2	6
61	M.	Mania ... ..	Intemperance ... ..	0	2	1	0
62	M.	Mania ... ..	Intemperance ... ..	0	2	2	1
63	F.	Melancholia ... ..	... ..	0	5	1	4
64	F.	Melancholia ... ..	Amenorrhea ... ..	0	2	0	2
65	F.	Melancholia ... ..	... ..	0	8	2	4
66	F.	Melancholia ... ..	Death of Husband ... ..	0	2	3	5
67	F.	Melancholia ... ..	Hereditary ... ..	1	8	1	1
68	F.	Melancholia ... ..	Hereditary ... ..	0	8	3	0
69	F.	Melancholia ..	Desertion of Husband ... ..	0	5	2	3
70	F.	Melancholia ... ..	Disappointed love ... ..	0	4	3	3
71	F.	Melancholia ... ..	... ..	0	6	1	2
72	F.	Melancholia ... ..	Hereditary ... ..	0	3	2	1
73	F.	Melancholia ... ..	... ..	0	2	3	5
74	M.	Melancholia ... ..	Disappointed love ... ..	0	3	2	5
75	M.	Melancholia ... ..	Poverty ... ..	0	6	2	2
76	M.	Melancholia ... ..	Over anxiety ... ..	0	2	3	6
77	M.	Melancholia ... ..	Hereditary ... ..	0	7	2	3
78	M.	Melancholia ... ..	Intemperance ... ..	0	5	0	4
79	M.	Melancholia ... ..	Hereditary ... ..	0	1	2	6
80	M.	Melancholia ... ..	Hereditary ... ..	0	1	4	0
81	F.	Monomania ... ..	... ..	0	2	3	2
82	F.	Monomania ... ..	... ..	0	2	3	6
83	M.	Monomania ... ..	... ..	0	5	2	0
84	M.	Monomania ... ..	... ..	1	4	2	1

TABLE XIII.  
DEATHS IN 1871.

No.	Sex.	Age.	Causes of Disorder.		Duration of Resid.			Causes of Deaths.	
			Form of Mental Disorder.		Y.	M.	W.		D.
1	M.	64	Dementia .....	.....	0	6	1	0	General Paralysis.
2	M.	47	Dementia .....	.....	2	9	3	6	Cerebral Disease and Bronchitis.
3	F.	35	Dementia .....	.....	3	8	1	1	Apoplexy.
4	F.	32	Dementia .....	Pregnancy .....	0	1	1	3	Cerebritis.
5	F.	80	Dementia .....	Old Age .....	1	10	0	1	Cerebral Disease.
6	F.	65	Dementia .....	.....	3	6	3	5	Phthisis.
7	M.	38	Mania .....	.....	0	0	0	1	Chronic Gastritis.
8	M.	54	Mania .....	.....	15	4	2	6	Heart Disease.
9	M.	63	Mania .....	.....	3	11	2	6	Apoplexy.
10	M.	58	Mania .....	.....	33	7	1	0	Heart Disease.
11	F.	83	Mania .....	Hereditary .....	18	8	1	0	Exhaustion.
12	F.	71	Mania .....	Hereditary .....	3	0	1	1	Diarrhoea.
13	F.	41	Mania .....	Hereditary .....	1	1	1	1	Diarrhoea.
14	F.	45	Mania .....	.....	6	5	1	3	Exhaustion.
15	F.	20	Mania .....	.....	0	0	1	5	Chorea and Sloughing Sores.
16	F.	48	Mania .....	Hereditary .....	0	0	2	3	Phlebitis and Gangrene.
17	F.	56	Mania .....	.....	0	2	2	3	Erysipelas.
18	F.	30	Mania .....	Hereditary .....	13	7	2	3	Phthisis.
19	M.	50	Melancholia .....	Cerebral disease .....	0	6	0	0	Apoplexy.
20	F.	68	Melancholia .....	.....	0	5	0	2	Paralysis.
21	M.	58	Monomania .....	.....	16	8	2	4	Chronic Gastritis.
22	F.	78	Amentia .....	.....	0	0	1	2	Exhaustion.
Average Age,			Average duration of Residence .....		5	3	2	0	

TABLE XIV.

RESULTS, AT PRESENT DATE, OF ADMISSIONS OF LAST 48 YEARS.

Year.	Admitted.	Recovered.	Relieved, &c.	Dead.	Remaining 31st Dec., 1871.
1800-24.	563	443		117	1
1825	52	23	19	9	1
1826	41	22	11	8	0
1827	36	15	13	8	0
1828	32	16	9	5	2
1829	46	16	18	12	0
1830	59	30	12	17	0
1831	33	13	7	13	0
1832	33	15	6	11	1
1833	42	19	14	9	0
1834	50	19	25	6	0
1835	42	22	8	9	3
1836	41	17	13	10	1
1837	43	17	12	14	0
1838	53	23	11	18	1
1839	74	36	18	17	3
1840	48	25	11	11	1
1841	56	21	16	13	6
1842	51	19	17	13	2
1843	71	35	19	15	2
1844	74	30	25	16	3
1845	93	45	24	23	1
1846	67	26	24	15	2
1847	95	43	25	22	5
1848	83	41	23	16	3
1849	81	36	25	15	5
1850	69	34	17	13	5
1851	85	38	28	16	3
1852	95	48	29	13	5
1853	107	48	27	25	7
1854	65	27	18	13	7
1855	61	34	16	8	3
1856	103	57	22	7	7
1857	84	32	23	19	10
1858	102	40	28	22	12
1859	84	30	25	19	10
1860	78	43	18	12	5
1861	104	55	24	15	10
1862	88	49	21	10	8
1863	128	60	29	20	19
1864	116	58	30	13	15
1865	111	51	29	20	11
1866	148	75	36	17	20
1867	144	66	39	21	18
1868	132	51	34	11	36
1869	168	76	41	14	37
1870	150	60	38	6	46
1871	160	37	20	13	90
	4341	3132		782	427



TABLE XV.

## GENERAL RESULTS OF THE LAST 42 YEARS.

Year.	Mean Number Resident.	Admitted.	Recovered.	Dead.	Recovered per Cent. to Ad- missions.	Recovered per Cent. to mean No. Resident.	Deaths per Cent. to Ad- missions.	Deaths per Cent. to mean No. Resident.
1830	102	59	27	8	45.77	26.57	13.56	7.84
1831	100	33	14	12	42.42	14.00	36.36	12.00
1832	106	33	15	10	45.45	14.15	30.30	9.43
1833	107	42	23	14	54.76	21.51	33.33	13.08
1834	114	50	16	6	32.00	14.91	12.00	5.26
1835	116	42	20	11	47.61	18.10	26.19	9.48
1836	169	41	24	5	58.53	22.02	12.19	4.59
1837	113	43	16	8	39.53	14.16	18.60	7.08
1838	124	53	20	14	37.73	16.13	26.41	11.29
1839	140	74	26	10	35.13	18.57	13.51	7.14
1840	144	48	25	19	52.08	17.36	39.51	13.19
1841	150	56	22	10	39.29	14.66	17.86	6.67
1842	152	51	26	11	50.98	17.10	21.57	7.24
1843	167	71	28	12	39.44	17.18	16.90	7.19
1844	183	74	30	7	40.54	16.39	9.46	3.83
1845	200	93	41	13	44.09	20.05	13.98	6.50
1846	213	67	29	12	43.28	13.14	17.91	5.63
1847	222	95	40	23	42.10	18.02	24.21	10.36
1848	229	83	47	17	57.31	20.52	20.73	7.42
1849	229	81	36	16	43.36	15.70	19.27	6.98
1850	230	69	32	17	46.37	13.91	24.91	7.39
1851	245	85	32	20	37.64	13.06	23.53	8.16
1852	263	95	42	18	44.21	15.97	18.94	6.84
1853	280	107	54	21	50.46	19.28	17.75	7.50
1854	281	65	39	19	60.00	13.87	29.23	6.75
1855	274	61	31	9	50.82	11.31	14.75	3.29
1856	291	103	44	20	42.72	15.12	19.41	6.87
1857	299	84	50	21	59.52	16.79	25.00	7.02
1858	295	102	39	15	38.23	13.22	14.70	5.08
1859	307	84	42	9	50.00	13.59	10.71	2.93
1860	308	78	32	22	41.02	10.39	28.29	7.14
1861	318	104	48	19	46.15	15.09	18.27	5.97
1862	323	88	48	20	54.54	14.86	22.74	6.19
1863	340	128	55	22	42.96	16.17	17.18	6.47
1864	346	116	50	25	43.96	14.45	21.55	7.22
1865	362	111	67	23	60.36	18.51	20.72	6.35
1866	369	148	66	31	44.59	17.88	20.98	8.40
1867	391	144	73	22	50.69	18.67	15.28	5.63
1868	410	132	65	15	49.24	15.85	11.36	3.65
1869	420	168	55	22	32.73	13.09	13.09	5.23
1870	423	150	68	26	45.33	16.07	17.33	6.14
1871	438	160	84	22	52.50	19.17	13.75	5.00
Sum and Average of 42 Years }	10233	3571	1641	676				
	243.73	85.02	39.07	16.09	46.08	16.34	20.08	7.08



TABLE XVI.

ABSTRACT OF DAILY RETURNS—SHOWING DISTRIBUTION, &C., OF PATIENTS  
REMAINING IN THE ASYLUM.

	Males.	Females.	Total.
Number of Patients in the Asylum, Jan. 1, 1872,.....	203	226	429
"    in Front House, .....	32	25	57
"    in Back House, .....	55	24	79
"    in East Wing, .....	...	112	112
"    in West Wing, .....	73	...	73
"    in Elmhill House, .....	19	16	35
"    in Clarkseat House, .....	24	...	24
"    in Barkmill House, .....	0	15	15
"    in Gate Cottage, .....	0	14	14
"    in Mary Place House, .....	0	20	20
Number of Patients Sick, Jan. 1, 1872, .....	2	6	8
"    Usually Employed, .....	91	108	199
"    Mostly unemployed except in } exercise and amusement, }	126	145	271
"    Usually Attending Chapel, .....	130	140	270

TABLE XVII.

ARTICLES OF CLOTHING, &C., MADE AND REPAIRED FROM JANUARY, 1871,  
TO JANUARY, 1872.

	Made.	Repaired.		Made.	Repaired.
Aprons, .....	365	420	Hats, Trimmed, ...	25	9
Beds, Strong, .....	42	76	Jackets, .....	68	141
Bed Covers, .....	...	12	Linders, .....	348	772
Bed Gowns, .....	174	216	Neckerchiefs, .....	239	83
Bed Ticks, .....	24	43	Petticoats, .....	576	1130
Blankets, .....	...	150	Pillow Slips, .....	304	337
Bolster Slips, .....	240	408	Pillow Ticks, .....	80	103
Bolster Ticks, .....	118	181	Quilts, .....	2	6
Bonnets, Trimmed, .....	16	14	Quilts, Strong, .....	...	9
Boots, Pairs, .....	48	164	Sheets, .....	327	568
Caps, Day, .....	111	116	Shifts, .....	498	342
Caps, Cloth, .....	11	64	Shirts, .....	143	280
Caps, Night, .....	200	70	Shoes, Pairs, .....	218	300
Carpets, .....	5	13	Slip Bodies, .....	70	57
Coats, .....	43	64	Stays, .....	27	24
Collars, .....	68	49	Stockings, Pairs, ...	360	5376
Counterpanes, .....	52	23	Table Cloths, .....	44	32
Drawers, .....	168	1298	Towels, .....	164	125
Dresses, Strong, ...	16	68	Tray Cloths, .....	12	8
Gowns, .....	486	507	Trousers, .....	57	860
Habitshirts, .....	8	16	Vests, .....	52	500
Handkerchiefs, .....	113	53	Window Blinds, ...	24	15
			Wrappers .....	27	37

CAPITAL ACCOUNT OF THE

For the Year ending

	Amount at 31st March, 1871.	Decrease During the year.	Increase during the year.	Amount at 31st March, 1872.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
To Debts due by Asylum :—				
Legacy by George Hogg,	1,600 0 0	.....	.....	1,600 0 0
Mortification by John	263 0 4	6 10 8	.....	256 9 8
Burnett, .. ...}	16,300 0 0	.....	.....	16,300 0 0
Loans, ... ..				
Bank Current Account,	381 1 6	.....	1,899 4 6	2,280 6 0
Gas Company, ... ..	72 7 10	72 9 10	.....	.....
Income Tax, ... ..	8 11 2	0 6 3	.....	8 4 11
Amount of Debt, ...	18,625 2 10	79 6 9	1,899 4 6	20,445 0 7
To Stock, ... ..	34,769 7 11			
Increase from Surplus }				
Revenue, ... .. }	.....	.....	724 5 11	35,493 13 10
	53,394 10 9	79 6 9	2,623 10 5	55,938 14 5

# LUNATIC ASYLUM, ABERDEEN

30th March, 1872.

	Amount at 31st March, 1871.	Decrease during the year.	Increase During the Year.	Amount at 31st March, 1872.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
By Asylum Buildings and Ground, ... ..	32,596 10 0	.....	.....	32,397 0 6
„ Written off Buildings for deterioration for year, ... ..	.....	199 9 6	.....	.....
„ Elmhill Buildings and Ground, ... ..	16,160 14 0	.....	.....	16,077 0 0
„ Written off Buildings for deterioration for year, ... ..	.....	83 14 0	.....	.....
„ Household Furniture, Written off for deterio- ration for year, ...	3,135 7 0	.....	.....	3,176 5 1
„ New Furniture added, Stores in hand, ...	..... 736 3 11	..... .....	..... .....	..... 802 5 8
„ Board of Patients to recover, ... ..	86 15 10	.....	119 5 9 172 7 7	..... 259 3 5
„ Susan Elrick, Matron, in hand, ... ..	10 0 0	10 0 0	.....	.....
„ Euphemia Johnstone, Housekeeper, in hand,	5 0 0	5 0 0	.....	.....
„ Gilcomston Feus, ...	368 0 0	.....	.....	368 0 0
„ Asylum Extension— Builders' to Account, }	296 0 0	.....	2,215 5 6	2,511 5 6
„ Broadford Burn, ...	.....	...	347 14 3	347 14 3
	53,394 10 9	376 11 2	2,920 14 10	55,938 14 5

W. CARNIE, *Treasurer.*

JAMES TYTLER, C.A., *Auditor.*

# ABSTRACT of the REVENUE ACCOUNT of THE LUNATIC ASYLUM, ABERDEEN, for the Year Ending 30th March, 1872.

INCOME.			EXPENDITURE.		
Patients' Board, ...	...	£12,586 19 3	PROVISIONS—	...	£781 11 10
Produce of Ground, ...	...	319 19 8	Meal and Sids, ...	...	715 15 5
Joiners' Work, ...	...	6 18 6	Bread and Barley, ...	...	1,770 6 6
Shoemakers' ditto, ...	...	61 12 6	Butcher Meat, ...	...	558 16 7
ENDOWMENTS—			Butter and Cheese, ...	...	171 13 0
Bedlam Fund, ...	£30 0 0		Table Beer, ...	...	433 8 7
Gilcomston Feu-duties	14 5 8		Tea and Sugar, ...	...	722 0 4
Chalmer's Bequest, ...	30 0 0		Milk, ...	...	735 1 9
			Small Necessaries, ...	...	11 7 4
			Medicine, ...	...	227 18 11
			Wine, Spirits, and Porter, ...	...	£6,128 0 3
			FIRE AND LIGHT—Coals, Gas, &c., ...	...	715 2 11
			WASHING—Soap, &c., ...	...	101 9 11
			MEDICAL SALARIES—	...	816 12 10
			Physician and Superintendent, ...	...	500 0 0
			Consulting Physician, ...	...	100 0 0
			Medical Assistants, ...	...	80 0 0
			GENERAL SALARIES AND WAGES—	...	680 0 0
			Chaplain, ...	...	100 0 0
			Clerk and Treasurer, ...	...	200 0 0
			Auditor, ...	...	10 10 0
			Steward, ...	...	81 5 0
			Matron, ...	...	70 0 0
			Attendants, House Tradesmen, Apothecary, Assistant Clerk, Barber, Officer, and Servants' Wages, ...	...	1,126 11 9
			REPAIRS AND FURNISHINGS—	...	1,588 6 9
			Repairs and Additions to Furniture, ...	...	259 12 3
			Do. do. Building, ...	...	404 5 0
			Do. do. Bedding, ...	...	196 14 10
			VARIOUS—	...	860 12 1
			Pauper Clothing and Furnishings, ...	...	504 19 10
			Legal Expenses anent Lunatics' Bill, ...	...	18 18 4
			Printing and Stationery, ...	...	59 18 2
			Insurances and Public Burdens, ...	...	307 10 8
			Police Sewerage Charge, ...	...	136 10 0
			Incidents—including £54 Snuff and Tobacco to Pauper Patients, and £35 expenses anent Criminal Lunatics' Bill, ...	...	134 17 3
			Interest on Borrowed Money, ...	...	727 12 4
					£11,963 18 6
			Deterioration on Buildings, at $\frac{3}{4}$ per cent., ...	£199 9 6	
			Ditto, ditto, Elmhill, ditto, ...	83 14 0	
			Ditto Household Furniture, at $2\frac{1}{2}$ per cent. ...	78 7 8	
			Excess of Income above Expenditure, ...	...	361 11 2
					724 5 11



## PATHOLOGICAL APPENDIX.



In this appendix, an attempt has been made to give a brief report of the Post Mortem appearances in certain cases examined during the year 1871. A short statement of the condition of the patient, prior to death, is prefixed to the Pathological Report.

CASE I. H. M. A. 31.—A married female, was admitted on the 25th April, 1871, in a state of acute mania. About five or six months after admission, her appearance was observed to simulate pregnancy, but she menstruated regularly. In the beginning of November she began to refuse food, and became extremely thin and anæmic, the abdomen having the appearance of advanced pregnancy. She was reported to pass her water freely, but on introducing the Catheter, a large amount of urine was drawn off, and the abdominal tumour subsided. She died a few days after, without any return of the distension.

The surface of the brain, was covered by a layer of gelatinous serum, situated below the arachnoid, and most abundant in the vicinity of large veins; general wasting of the convolutions; white matter, very firm, with few puncta vasculosa; numerous small transparent serous cysts in the choroid plexuses. The urinary bladder was empty, but was about equal in bulk to a foetal head; its walls were rigid, about half-an-inch thick, and on the mucous surface presented numerous ridges like the muscoli pectinati of the heart.

The greater part of the thickening was due to a proliferation of the connective tissue, and mostly on the outside of the wall of the viscus; the ridges were composed of a large bundle of muscular fibre cells, that exceeded in size those from the healthy bladder.

CASE II. A. S., 47.—Was admitted in 1868, in the early stage of general paralysis. The disease progressed slowly, and up to the 13th December, 1871, he was able to go about and to feed himself, but on that day, it was noticed that he was very dull, and that there were slight twitchings of the muscles over the left side of the body, with partial loss of voluntary control and reflex irritability. He said that the left side was burning hot; temperature in the left axilla  $100\frac{1}{2}$  deg., in the right  $101\frac{1}{2}$  deg.; the twitchings got more severe, and voluntary control less, and catarrhal bronchitis setting in very acutely, he died comatose two days after.

The body was plump and fat; calvarium firmly adherent to the dura mater by pacchionian bodies; large serous effusion between the visceral arachnoid and brain; veins on the surface of the cerebrum very large and full of dark blood; convolutions flat and wasted; brain substance very tough and of firm consistence. In each lateral ventricle about six drachms of serum; choroid plexuses studded with small serous cysts; pineal gland about twice the natural size, and full of calcareous granules.

In the pia mater covering the under surface of the anterior lobe of the cerebrum, on the right side were numerous small white bodies exactly like miliary tubercles; a few on the corresponding part the opposite side, and a few on the anterior border of the middle lobe of the right side.

Anterior and superior parts of both lungs emphysematous, posteriorly gorged with blood, but crepitant. Left supra renal capsule much smaller than the right, and very granular and friable. All the abdominal viscera congested. Left ventricular wall thickened slightly.

The white tubercle like bodies on the surface of the brain, consisted of starved shrivelled cells, with fatty granules.

CASE III. W. L. 63.—Admitted in 1858, labouring under maniacal excitement, with sensorial illusions. He was twice discharged as recovered, and re-admitted after short intervals, with a return of the previous symptoms. In December, 1871, it was noticed that he was very short of breath, and that his legs and feet were swollen. Physical examination indicated emphysema of the lungs, bronchitis, and pleuritic effusion on the lower part of the right plural sac; no disease of the heart or kidneys. After a few days he died.

On removing the calvarium, a large clot of recently effused blood was found between it and the dura mater over the posterior and middle lobes of the right cerebrum. All the vessels of the brain were congested much, except those in the part under the clot.

Below the visceral arachnoid there were patches of serous effusion here and there; remarkable deposit of pigment in the pia mater of the medulla oblongata. Numerous small cysts in the choroid plexuses.

On the anterior margin of both lungs were numerous emphysematous vesicles, each about as large as a marble; left pleura adherent except the anterior third; upper part of right adherent behind, but about one pint of straw-coloured serum encysted at the lower part: the pleura forming the wall of this sac, was covered by shreds of white lymph, which were easily removed, shewing the surface of the pleura below it to be velvety and pink in appearance. The smaller bronchi were full of mucopurulent secretion. Heart slightly hypertrophied. Liver congested; 65 calculi in the gall bladder, many of them resembling in appearance the bones of the human carpus. The colon presented several strictures, the intervening parts being greatly distended; the most remarkable stricture was at the middle



of the descending colon, it barely admitted a finger; the sigmoid flexure was larger than the stomach, and turned up so as to displace the latter into the right hypochondrium. The left suprarenal capsule was remarkably congested, and its cortical part about half the thickness of that of the right, which was healthy. Kidneys flabby, about normal size. The external ears were each about one inch thick, and consisted of cartilaginous tissue, with irregular deposit of calcareous salts.

CASE IV., A. W. R., 31.—Admitted in 1857 in a maniacal condition; recovered, went out, and was re-admitted in 1858. About the middle of November, 1871, symptoms of phthisis were well marked; pulse kept about 110; temperature in the morning, about 99 deg., and at night, about 101½ deg.; respirations 25 to 30; emaciation extreme. Died, 22nd December, 1871.

In the visceral arachnoid, were many small white granules, most numerous near the superior longitudinal sinus; subarachnoid spaces distended with serum, veins deeply congested; general wasting of the convolutions; about one ounce of serum in each lateral ventricle; in right choroid plexus, a single serous cyst, about two-fifths of an inch in diameter. Both pleural cavities completely obliterated; left lung of a dark red colour, with numerous small cavities full of a dark brown granular debris; the intervening parts were crepitant, but studded with white firm miliary tubercles that could be lifted out entire; they were visible in the right lung also, but in much smaller numbers; it contained two small cavities, one at the apex, the other in the middle lobe in front. Liver a little enlarged, of a nutmeg colour, and deeply marked by the ribs. Spleen about twice the normal size, very firm, and, when cut, like dried salmon. Both kidneys a little over normal weight; capsule easily separated; cortical and interpyramidal parts of a yellowish white colour, contrasting strongly with the congested pyramids. Appendix vermiformis, deeply congested, and studded with tubercles. Microscopic examination shewed that the liver, spleen, and kidneys, contained much amyloid matter.

CASE V., T. B., 58.—Admitted in 1838, for maniacal excitement and spectral illusions; suffering from alternate fits of depression and excitement; he remained in the house until 29th December, 1871 when, being then in a state of excitement, and having got up to dress himself, he fell back dead on his bed.

The calvarium was with much difficulty separated from the dura mater; visceral arachnoid opaque at many parts; veins on the surface of the brain deeply congested; brain very rich in convolutions; puncta vasculosa numerous. Left pleural sac obliterated; both lungs markedly emphysematous, at anterior margin. Heart perceptibly hypertrophied, all its cavities completely empty, and its walls contracted very firmly; the wall of the left ventricle in this state was about one inch thick; valves perfect. Liver congested,

spleen about twice the normal size, but normal in colour and consistence. Kidneys about normal size ; capsules easily separated, but removing small particles of the cortex ; on close inspection, the cortex was seen to be covered by numerous small cysts. The colour of the kidneys was very uniform, exactly like metallic arsenic, but it was very difficult to tell where the cortical joined the medullary part.

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